



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

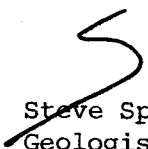
S. P. YATES
PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. - TREAS.

September 30, 1987

TO: Cy Cowan
FROM: Steve Speer
RE: Wash Federal #2-1

The Wash Federal #2-1 wildcat location was picked at 1400' FNL and 2250' FWL of Section 11-T38S-R23E due to the necessity of testing the Upper Ismay geologic anomaly at what I feel is the optimum stratigraphic and structural location. Because Upper Ismay mounds are extremely linear, narrow and sharp-sided, it is very easy to nick or miss them entirely due to compromising the surface location (even by hundreds of feet) due to non-geologic reasons. Since wildcat locations are meant to either prove or disprove a geologic theory, it is imperative that the theory is tested where it best stands the chance of success.

Sincerely,



Steve Speer
Geologist

YATES PETROLEUM CORPORATION
#2-1 WASH FEDERAL
1400'FNL & 2250'FWL
Sec.11, T38S, R23E
San Juan Co., Utah

Exhibit A



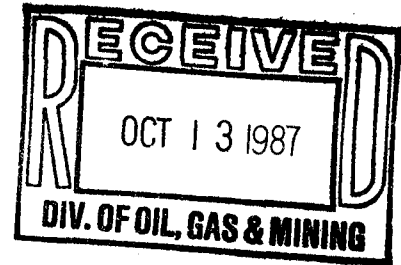


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SEC. - TREAS.

September 30, 1987

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203



ATTENTION: Ms. Arlene Sollis

RE: Exception to the location for the
proposed Yates Petroleum
Corporation's:
Wash Federal #2-1
1400' FNL and 2250' FWL of
Section 11-T38S-R23E
San Juan County, Utah

Dear Ms. Sollis:

Yates Petroleum Corporation hereby requests an exception to Rule 302 of the Oil and Gas Conservation's general rules and regulations orders. Yates Petroleum Corporation hereby is requesting that the unorthodox location for the Wash Federal #2-1 be favorably approved by the State of Utah, Division of Oil, Gas and Mining.

The reason for moving this location unorthodox was due to geological and topographical reasons. With our interpretation of all materials and information it was determined that this location was best for wildcat drilling activities.

We control the surrounding acreage within a 460 foot radius. A copy of a topographical map is enclosed showing the outline of the lease.

If you have any questions regarding this matter, please contact Yates' geologist, Mr. Steve Speer at 505-748-1471.

Thank you for your cooperation in this matter.

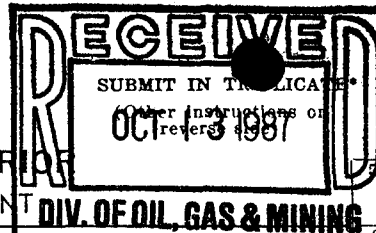
Sincerely yours,

Cy Cowan
Regulatory Agent

CC:rj

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

U-55626

IF INDIAN, ALLOTTEE OR TRIBE NAME

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ TITE HOLE ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Yates Petroleum Corporation

3. ADDRESS OF OPERATOR
105 South Fourth Street - Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

1400' FNL and 2250' FWL (SENW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 21 miles west of Hatch Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1400'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile

16. NO. OF ACRES IN LEASE 1200

19. PROPOSED DEPTH 6175'

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5333' GR

22. APPROX. DATE WORK WILL START*

ASAP.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	Approx. 80'	50 sacks
12-1/4"	8-5/8"	24# J-55	" 2050'*	950 sacks
7-7/8"	5-1/2"	15.5# J-55	TD	310 sacks

* Approximately 100-150' into Chinle formation

Yates Petroleum Corporation proposes to drill and test the Akah and intermediate formations. Approximately 2100' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW to 5500', fresh water gel to TD. MW 9.0-10.4, Vis 35-45, FL 10-15

BOP PROGRAM: BOP's will be nipped up when surface casing is set

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Cy Cowan TITLE Regulatory Agent DATE October 1, 1987

(This space for Federal or State office use)

PERMIT NO. 43-037-31356

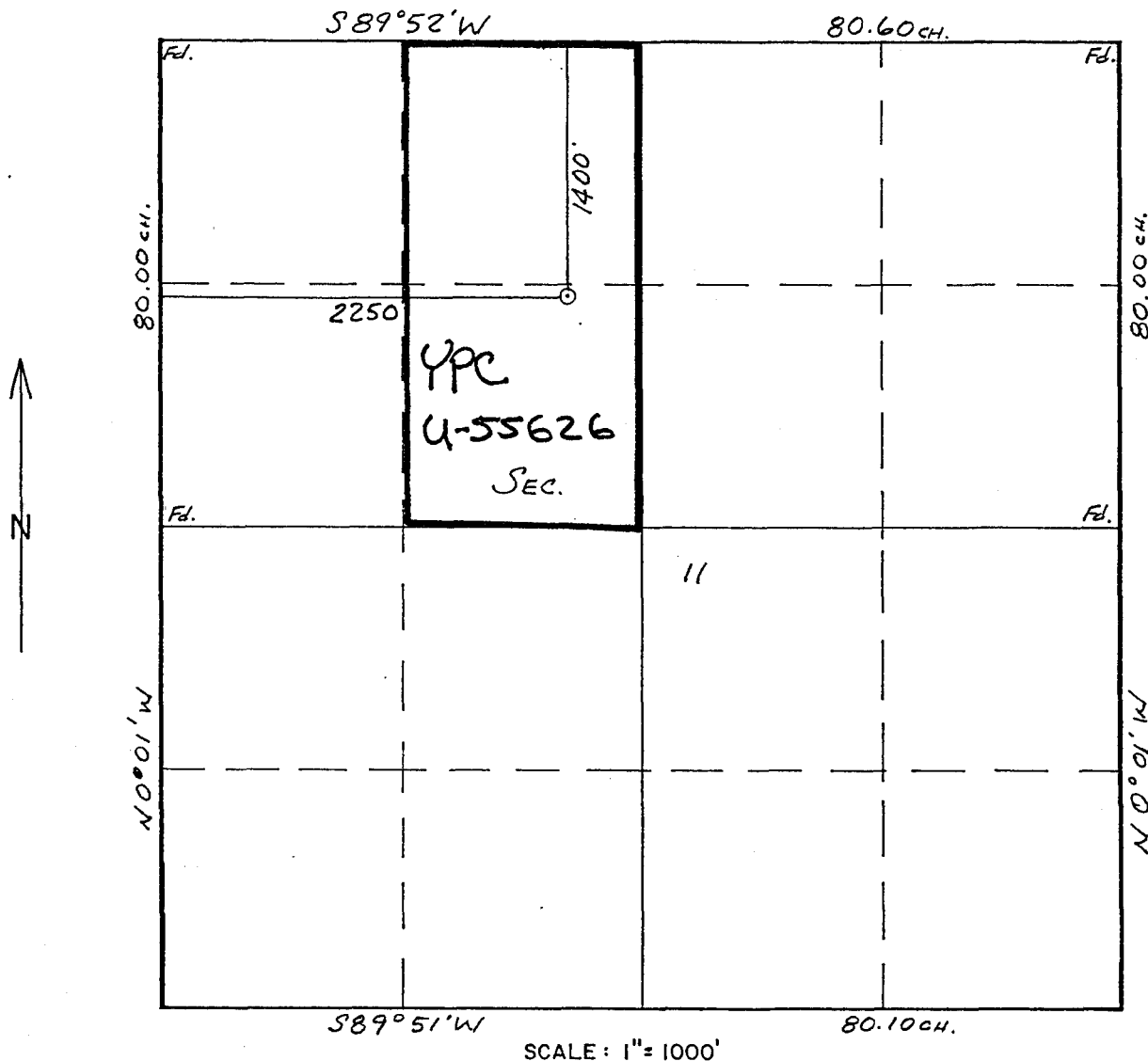
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

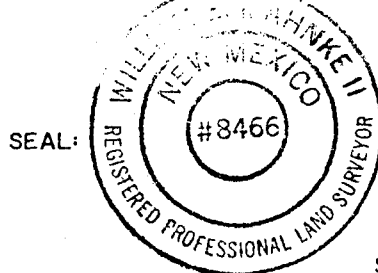
DATE 10-15-87
BY John R. Bays
WELL SPACING: R615-2-3

*See Instructions On Reverse Side

COMPANY YATES PETROLEUM CORPORATION
LEASE WASH FEDERAL WELL NO. 2-1
SEC. 11, T. 38 S, R. 23 E
COUNTY San Juan STATE Utah
LOCATION 1400'FNL & 2250'FWL
ELEVATION 5333



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



William E. Mahnke II
WILLIAM E. MAHNKE II
NEW MEXICO P.L.S. NO 8466

SURVEYED SEPT. 18, 19 87

YATES PETROLEUM CORPORATION
Wash Federal #2-1
1400' FNL and 2250' FWL of
Section 11-T38S-R23E
San Juan County, Utah

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information with Utah State Requirements.

1. The geologic surface formation is the Morrison formation.

2. The estimated tops of geologic markers are as follows:

Morrison	Surface	Paradox	5620'
Entrada	810'	Upper Ismay	5765'
Navajo	1005'	Lower Ismay	5950'
Chinle	1960'	Upper Desert Creek	6035'
Shinarump	2620'	Lower Desert Creek	6095'
Cutler	2770'	Akah	6145'
Honaker Trail	4695'	TD	6175'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water: Approximately 810-1005'

Oil or Gas: Honaker Trail 4695'; Upper Ismay 5765'; Desert Creek 6095'

4. Proposed Cementing Program:

Surface Casing:

There will be one stage of cement. Cemented with 800 sacks of Class "C" 2% CaCl₂ (600 cubic feet of cement) circulated. Casing shoe will be set at 2050' with float equipment set at approximately 2010'.

Production Casing:

There will be one stage or as warranted of cement. Cemented with enough Class "C" to equal 235 cubic feet or approximately 310 sacks to reach estimated top at 5000'. Float collar will be set at approximately 40' above TD with casing shoe set at TD.

5. Pressure Control Equipment: BOP's will be installed.

6. Mud Program:

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/GAL.</u>	<u>VISC. sec.qt</u>	<u>FLUID LOSS</u>
0-5500'	FW	-----	-----	-----
5500-TD	FW Gel/Starch	9.0-10.4	35-45	10-15

7. Auxiliary Equipment: Kelly cock, pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connectors.

8. Testing, Logging & Coring Program:

Samples: 10' samples out from under surface casing to TD

DST's: Three possible. Will DST zones of interest.

Coring: None

Logging: CNL/LDT, DLL, BHC Sonic from TD to casing; possible dipmeter
TD to casing; Gamma Ray to surface

9. Expect higher pressures in Lower Desert Creek formation. Will increase mud weight to control.
10. Anticipated starting date: As soon as possible after approval.

MOAB DISTRICT

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company YATES PETROLEUM CORPORATION Well Name WASH FEDERAL #2-1
Location: Section 11 Township 38S Range 23E
County San Juan State Utah Lease No. U-55626
1400' FNL, 2250' F^WL

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM:

1. Surface Formation and Estimated Formation Tops: _____

2. Estimated Depth at Which Oil, Gas, Water or Other Minerals Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected Oil Zones:	_____	_____
Expected Gas Zones:	_____	_____
Expected Water Zones:	_____	_____
Expected Minerals Zones:	_____	_____

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: _____

3. CONTINUED:

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure tested before drilling casing cement plugs. The San Juan Resource Area ~~will~~ will not be notified _____ days before pressure testing.

4. Casing Program and Auxiliary Equipment: _____

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area (~~will~~/will not) be notified _____ / _____ days before running casing strings and cement.

5. Mud Program and Circulating Medium: _____

6. Coring, Logging and Testing Program: _____

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids and/or gases) will be submitted to the District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: _____

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the San Juan Resource Area at 801-587-²¹⁴¹~~2001~~, 48 hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

Other: The following may be inspected and/or witnessed:

1. The cementing and testing of surface casing and testing BOP's.
2. (Dry Hole) Setting and testing of surface casing shoe plug.
3. (Depleted Producer) The setting and testing of plugs across the producing horizon and if applicable the surface casing shoe plug and/or annulus (Casing to formation) squeeze jobs.

Notify the San Juan Resource Area (Mike Wade) one day or on dry hole as soon as possible prior to the above at 801-587-2201 (Home 801-587-2026 or if unable to reach Mike, call Moab District Office ~~Greg Noble~~ at 801-259-6111 (Home) ~~801-259-8811~~. Steve Jones

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads:

A. Location of proposed well in relation to town or other reference point:

Note Exhibit A enclosed

B. Proposed route to location: Refer to Exhibit A

C. Plans for improvement and/or maintenance of existing roads: County

maintained roads will be used

The maximum total disturbed width will be N/A feet.

D. An encroachment permit will be obtained from the San Juan County Road Department, 801-587-2231, ext. 43.

E. Other: _____

2. PLANNED ACCESS ROADS

- A. The maximum total disturbed width will be 30 feet. For 1 mile.
- B. Maximum grade: + or - 10%
- C. Turnouts: N/A
- D. Location (centerline): Flagged
- E. Drainage: As needed
- F. Surface Materials: Native
- G. Other: If needed during wet weather, road may be upgraded.

Each fence which is crossed by the road will be braced as shown in Enclosure No. 1, and tied off before cutting to prevent slackening of the wire. A gate or cattleguard which must be approved by BLM, will be installed.

~~If road construction cuts through natural topography which serves as a livestock barrier, a fence shall be constructed as shown in Enclosure 1.~~

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells: Note Exhibit E - one mile radius map

4. Location of Tank Batteries and Production Facilities: Note Exhibit F - Tank Battery Layout.

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Inter-agency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be NEUTRAL.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the ~~battery~~ largest tank on the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. LOCATION AND TYPE OF WATER SUPPLY

All water needed for drilling purposes will be obtained from: a private source

AT Hatch Trading Post

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer (801) 637-1303 and by receiving permission from the land owner or surface management agency to use the land containing the water source.

6. SOURCE OF CONSTRUCTION MATERIALS

Pad construction material will be obtained from: Native materials will be used.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Construction material (~~will~~/will not) be located on lease.

7. METHODS OF HANDLING WASTE DISPOSAL

The reserve pit (~~will~~/will not) be lined with ~~commercial bentonite~~ sufficient to prevent seepage. At least half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

7. CONTINUED:

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contact the San Juan County Sheriff in Monticello, Utah.

Produced waste water will be confined to a (~~lined~~/unlined) pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NITL-2B).

8. ANCILLARY FACILITIES

Camp facilities (~~will~~/will not) be required. They will be located: N/A

9. WELL SITE LAYOUT

The reserve pit will be located: EAST - NOTE Exhibit B

The top 4 inches of soil material will be removed from the location and stockpiled separate from the trees on the BACK side. Topsoil along the access will be reserved in place. + Between Pit + PAD

Access to the well pad will be from: southwest

10. RECLAMATION

- A. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- B. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, 801-587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- C. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- D. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- E. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" inches deep with the contour.
- F. Water bars will be built as follows to control erosion.

10. CONTINUED

GRADE

2%
2-4%
4-5%
5+%

SPACING

every 200 feet
every 100 feet
every 75 feet
every 50 feet

- G. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

_____ lbs/acre Indian ricegrass (Oryzopsis hymenoides)
4 _____ lbs/acre Galleta (Hilaria jamesii)
 _____ lbs/acre crested wheatgrass (Agropyron desertorum)
 _____ lbs/acre Western wheatgrass (Agropyron smithii)
 _____ lbs/acre Alkali sacaton (Sporobolus airoides)
 _____ lbs/acre Sand dropseed (Sporobolus cryptandrus)
3 _____ lbs/acre Fourwing saltbush (Atriplex canenscens)
 _____ lbs/acre Shadscale (Atriplex confertifolia)
 _____ lbs/acre Green ephedra (Ephedra viridis)
 _____ lbs/acre Cliffrose (Cowania mexicana)
 _____ lbs/acre Desert bitterbrush (Purshia glandulosa)
 _____ lbs/acre Winterfat (Eurotia lanata)
 _____ lbs/acre Globemallow (Sphaeralcea ambigua)
 _____ lbs/acre Wild sunflower (Helianthus annuus)
1/2 _____ lbs/acre yellow SweetClover

- H. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- I. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
11. Surface Ownership: _____ Federal _____
 Minerals Ownership: _____ Federal _____
12. Other Information: _____

12. CONTINUED:

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Your contact with the District Office is: Steve Jones

Office Phone: 801-259-6111 Address: P. O. Box 970, Moab, UT 84532

Resource Area Manager's address and contacts:

Address: P. O. Box 7, Monticello, UT 84532

Your contact is: Rich McClure

Office Phone: 801-587-2141

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION
Representative:

Name: Cy Cowan
Address: 105 So. 4th St. - Artesia, NM 88210
Phone No. 505-748-1471

Certification:

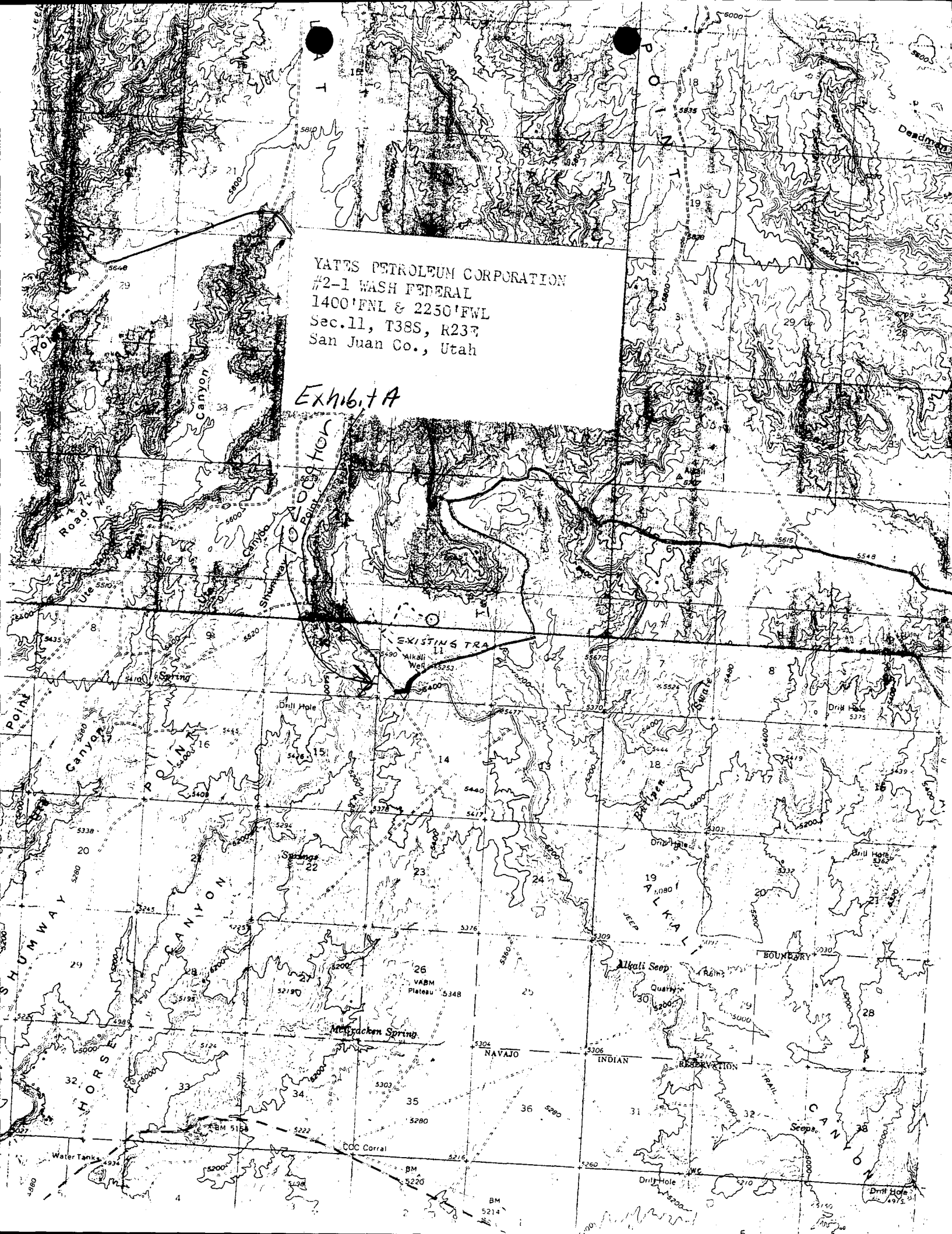
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by YATES PETROLEUM CORPORATION and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/1/87
Date

Cy Cowan
Cy Cowan
Regulatory Agent

YATES PETROLEUM CORPORATION
#2-1 WASH FEDERAL
1400'FWL & 2250'FWL
Sec.11, T38S, R23W
San Juan Co., Utah

Exhibit A





YATES PETROLEUM CORPORATION
#2-1 WASH FEDERAL
1400'FNL & 2250'FWL
Sec.11, T38S, R23E
San Juan Co., Utah

Exhibit A'

EXISTING
TRAIL

2620000 FEET

Exhibit C

COLEMAN DRILLING CO.

FRONT OF RIG NO. 3

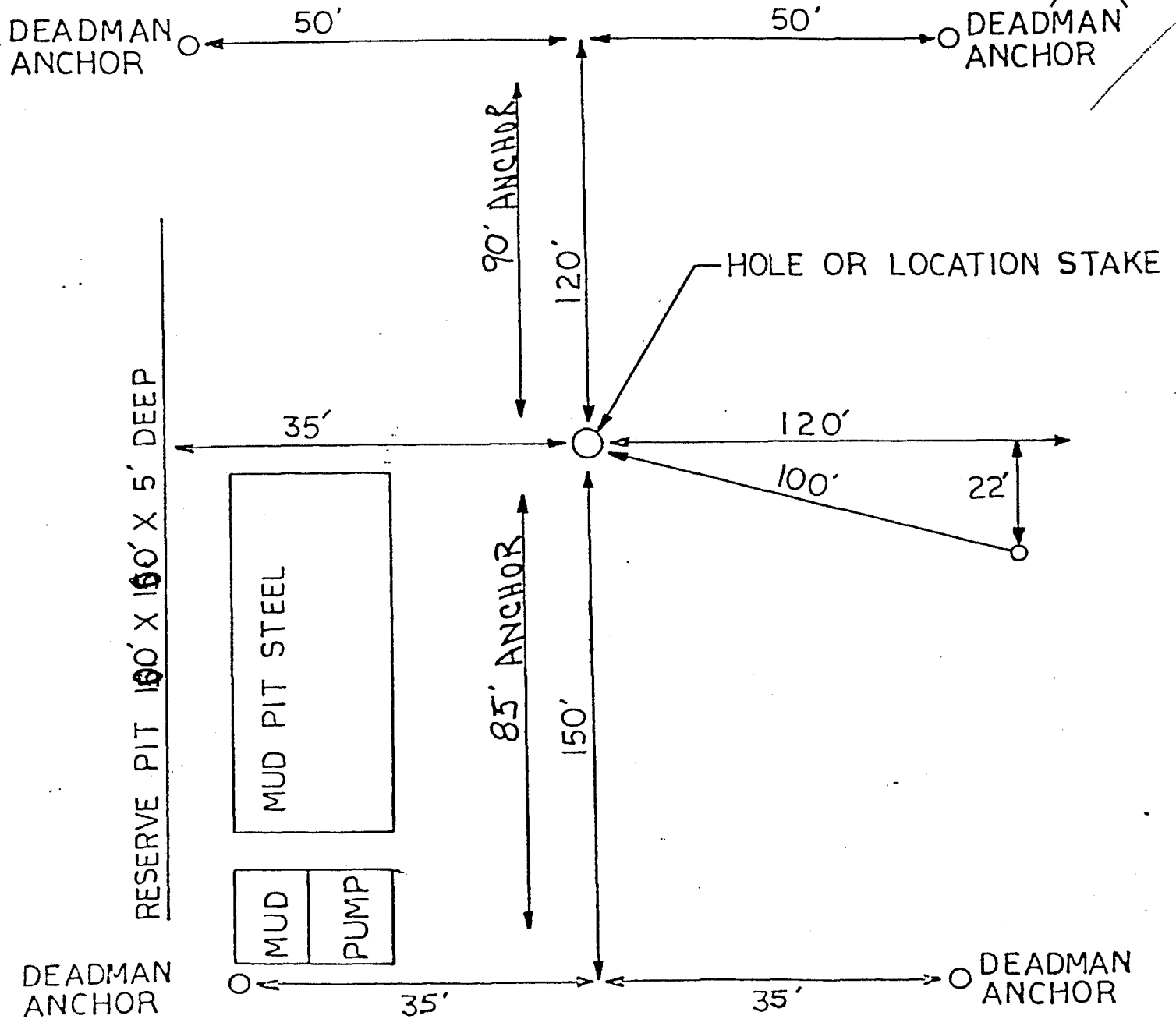
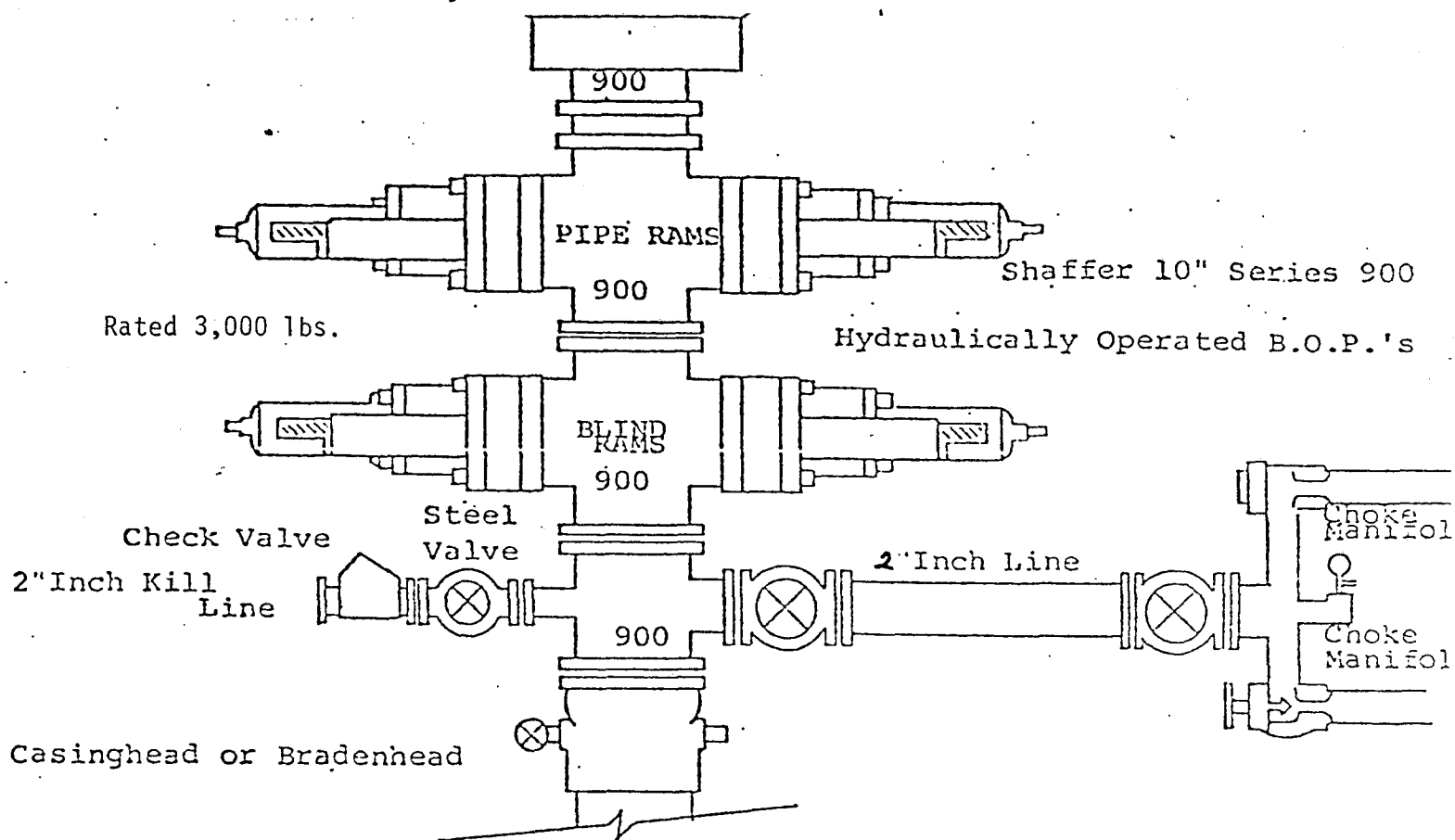
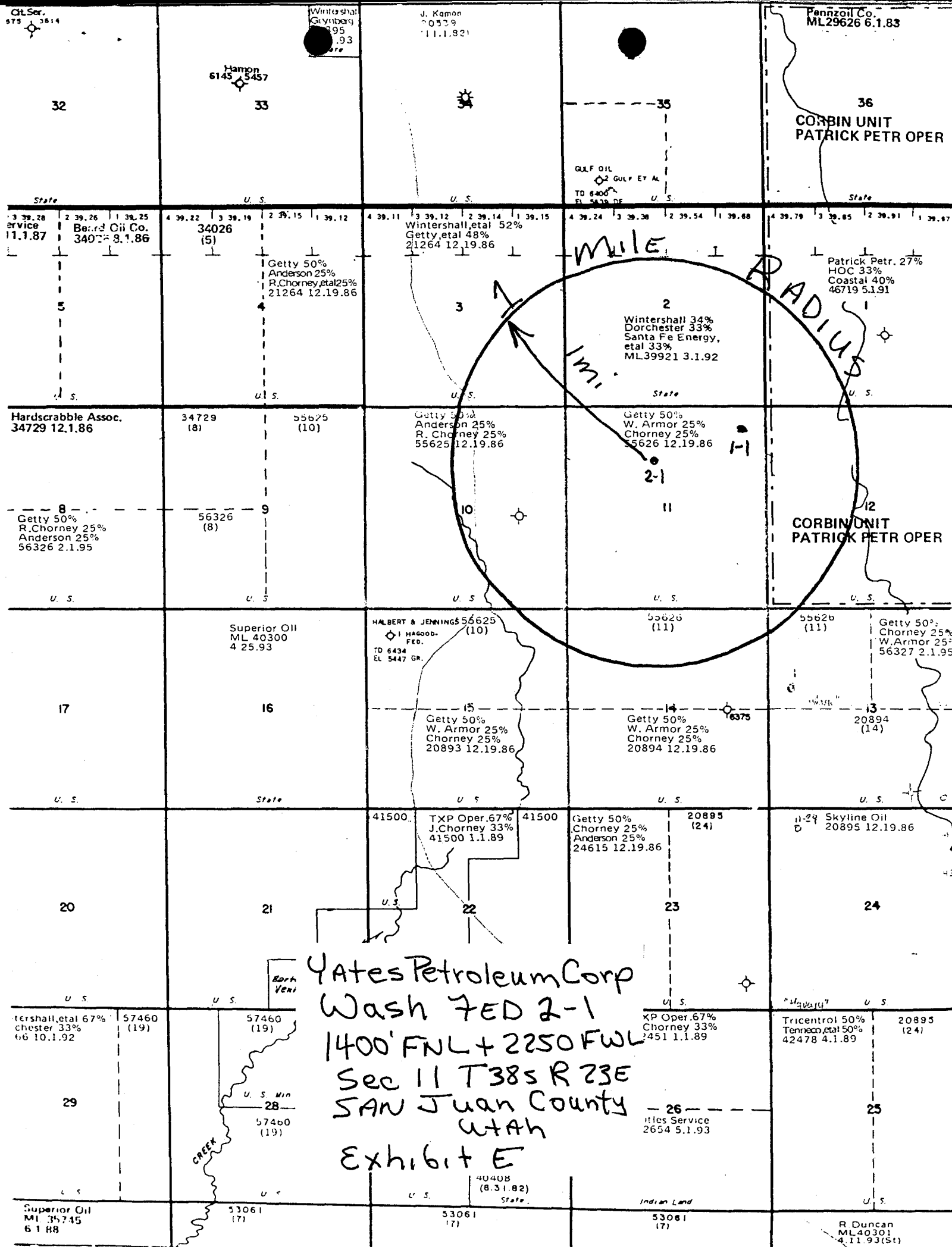


Exhibit D



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

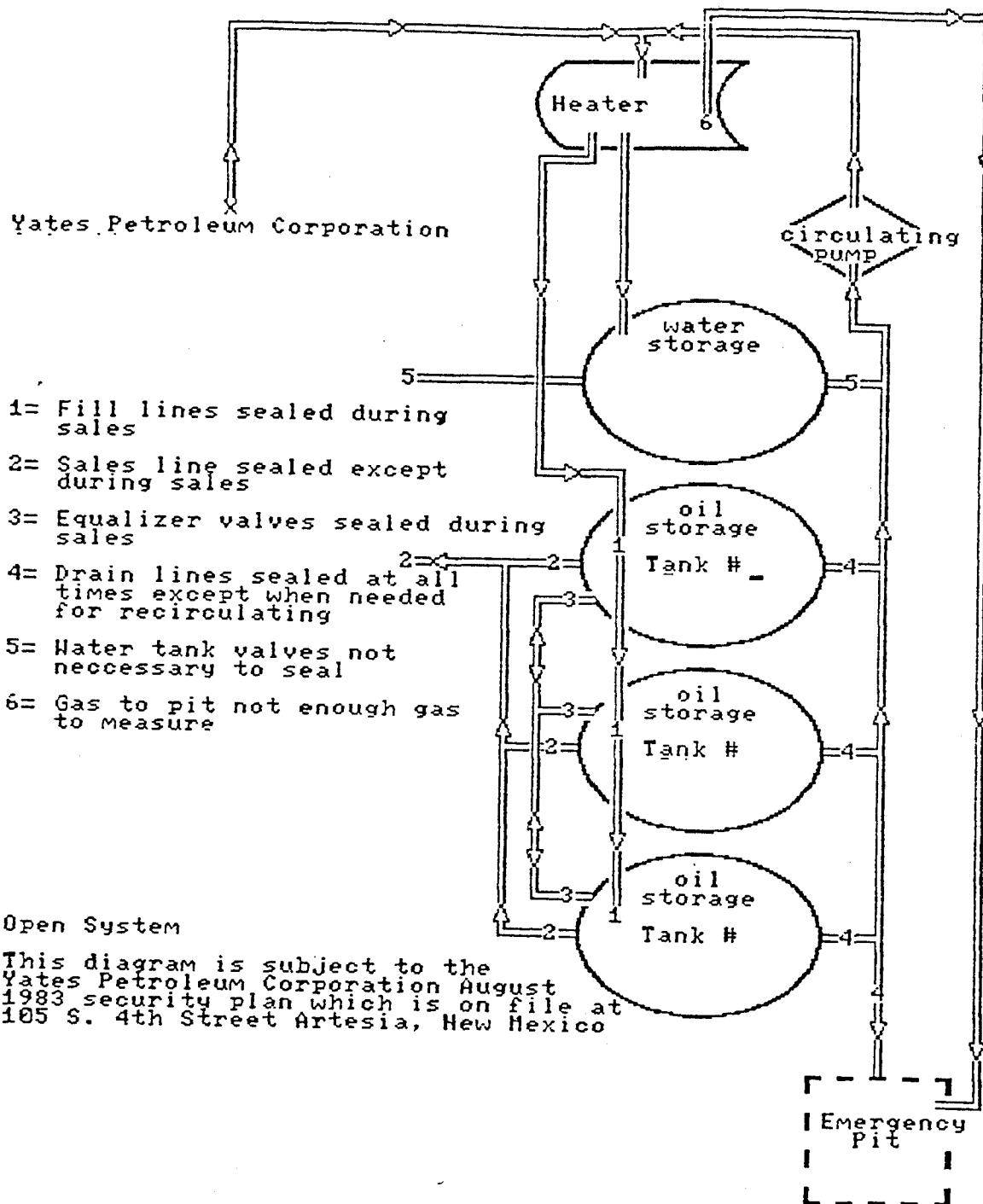
1. All preventers to be hydraulically operated with secondary manual control installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 2" diameter.
3. Kill line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers to be all steel. hole or tube a minimum of one inch in diameter.
5. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
6. All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
7. Inside blowout preventer to be available on rig floor.
8. Operating controls located a safe distance from the rig floor.
9. Hole must be kept filled on trips below intermediate casing.
10. D. P. float must be installed and used below zone of first gas intrusion



Yates Petroleum Corp
Wash FED 2-1
1400' FNL + 2250 FWL
Sec 11 T38s R23E
SAN JUAN COUNTY
UTAH
Exhibit E

YATES PETROLEUM CORPORATION

Exhibit F



CONFIDENTIAL

102003

OPERATOR Yates Petroleum DATE 10-14-87

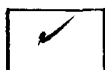
WELL NAME Wash Fed Unit 2-1

SEC SE NW 11 T 38S R 23E COUNTY San Juan

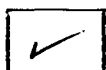
43-037-31356
API NUMBER

Fed
TYPE OF LEASE

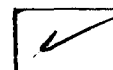
CHECK OFF:



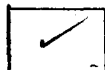
PLAT



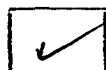
BOND



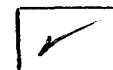
NEAREST
WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920' - Unit Well

Need water permit

Exception requested

CONFIDENTIAL
PERIOD
EXPIRED
ON 3-18-89

APPROVAL LETTER:

SPACING: ☒ R615-2-3 Wash
UNIT

☐ R615-3-2



CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 15, 1987

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Gentlemen:

Re: Wash Federal Unit 2-1 - SE NW Sec. 11, T. 38S, R. 23E
1400' FNL, 2250' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

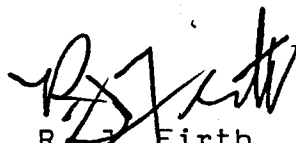
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Yates Petroleum Corporation
Wash Federal Unit 2-1
October 15, 1987

5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31356.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

TITE HOLE

SINGLE
ZONE

MULTIPLE
ZONE

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street - Artesia, NM 88210

DIVISION OF
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1400' FNL and 2250' FWL (SENW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 21 miles west of Hatch Trading Post

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1400'

16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1/2 mile

19. PROPOSED DEPTH

6175'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5333' GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Cy Cowan

TITLE

Regulatory Agent

DATE October 1, 1987

(This space for Federal or State office use)

PERMIT NO.

43-037-31356

APPROVAL DATE

Acting District Manager

APPROVED BY

K. C. Delano Backus

TITLE

Acting

DATE

OCT 22 1987

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

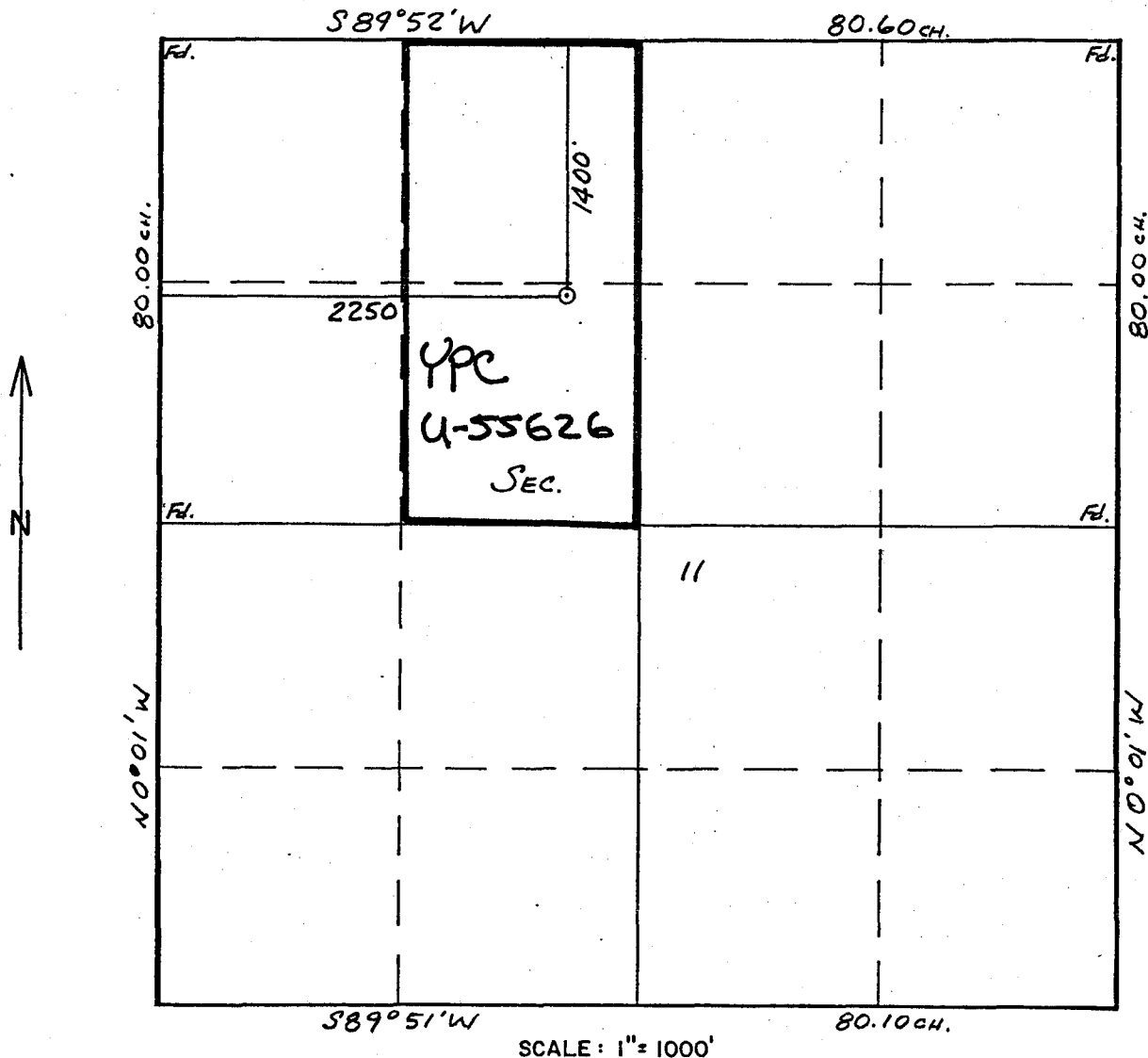
*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

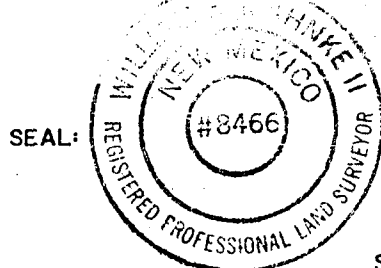
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Docm

COMPANY YATES PETROLEUM CORPORATION
LEASE WASH FEDERAL WELL NO. 2-1
SEC. 11, T. 38 S, R. 23 E
COUNTY San Juan STATE Utah
LOCATION 1400'FNL & 2250'FWL
ELEVATION 5333



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



William E. Mahnke II
WILLIAM E. MAHNKE II
NEW MEXICO P.L.S. NO 8466

SURVEYED SEPT. 18, 19 87

RECORDED
OCT 26 1987

DIVISION OF
OIL, GAS & MINING

Yates Petroleum Corporation
Well No. Wash Federal 2-1
Sec. 11, T. 38 S., R. 23 E.
San Juan County, Utah
Lease U-55626

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Yates Petroleum Corporation is the bonded entity on this application. Liability will remain with the bonded party named above until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

1. Operator will circulate cement to surface behind 8-5/8" surface casing.
2. B.O.P.E. will be rated to 3000 psi and will be consistent with API RP 53.

RECEIVED
OCT 26 1987

DIVISION OF
OIL, GAS & MINING

REC # 23164
30.00

TEMPORARY

APPLICATION TO APPROPRIATE WATER

Application No. T62925

09-15120419

STATE OF UTAH

WATER RIGHTS
SALT LAKE

OCT 10 1987

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory Statement".

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒2. The name of the applicant is Yates Petroleum Corporation3. The Post Office address of the applicant is 105 South Fourth Street - Artesia, NM 882104. The quantity of water to be appropriated _____ second-feet and/or 5.0 acre-feet5. The water is to be used for oilwell drilling from 11-1-87 to 11-1-88
(Major Purpose) (Month) (Day) (Month) (Day)other use period _____ from _____ to _____
(Minor Purpose) (Month) (Day) (Month) (Day)and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)7. The direct source of supply is* Underground water well
well at the Hatch Trading Post - SW4SE4 Section 11-T38S-R23E
(Name of stream or other source)

which is tributary to _____, tributary to _____

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in San Juan County, situated at a point*
Hatch Trading Post water wellS. 3913 ft. & W. 1055 ft. from NE Cor. Sec. 13, T39S, R24E, SLB&M.
(Hatch Trading Post) Cajon Mesa Quad

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of trucks hauling water to drillsite
8-5/8 inch casing, 566 feet deep10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

_____ Total _____ Acres

12. Is the land owned by the applicant? Yes _____ No X If "No," explain on page 2.13. Is this water to be used supplementally with other water rights? Yes _____ No X
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. _____

15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered _____

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses oilwell drilling20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Wash Federal #2-1, 1400' FNL & 2250' FWL of Section 11-T38S-
R23E, San Juan County, Utah (S.1400 ft. & E.2250 ft. from NW Cor. Sec. 11, T38S, R23E, SLB&M)
(SE 1/4 NW 1/4)21. The use of water as set forth in this application will consume 5.0 second-feet and/or acre-
feet of water and 0 second feet and/ or acre feet will be returned to the natural
stream or source at a point described as follows: _____RECEIVED
NOV 02 1987

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

[Lined area for explanatory text]

RECEIVED
NOV 02 1987
DIVISION OF
OIL, GAS & MINING

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Clifton R. May
Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, }
County of } ss

On the day of, 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL) *CLIFTON R. MAY*

Notary Public

STATE ENGINEER'S ENDORSEMENT

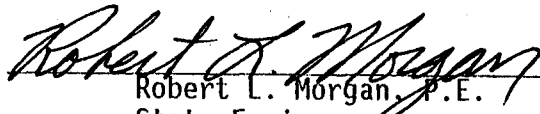
WATER RIGHT NUMBER: 09 - 1537

APPLICATION NO. T62925

1. October 19, 1987 Application received by MP.
 2. October 20, 1987 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated October 30, 1987, subject to prior rights and this application will expire on October 30, 1988.


Robert L. Morgan, P.E.
State Engineer

RECEIVED
NOV 02 1987

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

NOV 23 1987

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-55626
2. NAME OF OPERATOR Yates Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Dr. 120302
3. ADDRESS OF OPERATOR 105 South Fourth Street - Artesia, NM 88210		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1400' FNL & 2250' FWL (SENW)		8. FARM OR LEASE NAME Wash Federal
14. PERMIT NO. 43-037-3156		9. WELL NO. 2-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5333' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 38 Section 11-T83S-R23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Change well name

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change well name:

FROM: Wash Federal #2-1

TO: Wash Federal #3

18. I hereby certify that the foregoing is true and correct

SIGNED

Ey Cowan

TITLE

Regulatory Agent

DATE

November 17, 1987

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Orl 121603

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31356

NAME OF COMPANY: YATES PETROLEUM

WELL NAME: WASH FEDERAL #3 (Formally 2-1)

SECTION SE NW 11 TOWNSHIP 38S RANGE 23E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 3

SPODDED: DATE 12-8-87

TIME 6:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Al Springer

TELEPHONE # 505-748-1471

DATE 12-14-87 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-55626

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

123017

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Utah Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 11-T38S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

UT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL
WELL ☐

GAS
WELL ☐

OTHER

P&A

TITE HOLE

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

1400' FNL & 2250' FWL (SE/NW)

14. PERMIT NO.

API #43-037-31356

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5333' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD 6173'. Received verbal permission from Lynn Jackson, BLM, Moab, Utah, to plug well as follows:

Plug #1 5842-5742' w/50 sx Class "B" Neat.

Plug #2 2125-2025' w/65 sx Class "B" Neat.

Plug #3 Surface with 15 sx Class "B" Neat.

Install dry hole marker. Plugging completed 12-20-87.

18. I hereby certify that the foregoing is true and correct

SIGNED

Antonia D. Dwyer

TITLE

Production Supervisor

DATE

12-22-87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE

12-22-87

BY

John R. Dwyer

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐ P&A

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1400' FNL & 2250' FWL (SE/NW)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

API #43-037-31356

DIVISION OF

OIL, GAS & MINING

DEC 31 1987

5. LEASE DESIGNATION AND SERIAL NO.

U-55626

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NO. 010602

8. FARM OR LEASE NAME

Wash Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 11-T38S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED

12-8-87

16. DATE T.D. REACHED

12-18-87

17. DATE COMPL. (Ready to prod.)

Dry

18. ELEVATIONS (DF, RKB, RT, GR, ETC.) *

5333' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6173'

21. PLUG, BACK T.D., MD & TVD

-

22. IF MULTIPLE COMPL., HOW MANY *

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-6173'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

None

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

LDT/CNT; DLL/MSFL; BHC

12-31-87

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	85'	17-1/2"	150 SX	
8-5/8"	24#	2076'	12-1/4"	1200 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) P&A

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Supervisor

DATE

12-28-87

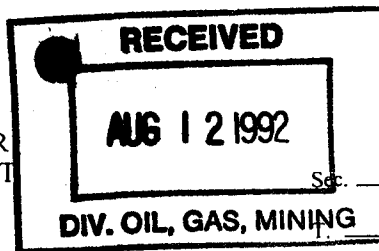
*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	<div>38.</div> <div>NAME</div> <div>MEAS. DEPTH</div> <div>TOP</div> <div>TRUE VERT. DEPTH</div>
<p>DST #1 5840-5952' UPPER ISMAY: TIMES: TO 15', SI 60", TO 30" (died in 45"), SI 180". Opened with weak blow, 3/4" in bubble hose in 5 mins. Increased to 1-1/4" in 15 mins. Reopened with blow, 1/8" in 10 mins. Increased to 1/2" in 30 mins. Died in 45 mins. RECOVERY 10' drilling mud from drill pipe. SAMPLER: .18 cfg, 700 cc mud at 20 psi. BHT: 130°. PRESSURES: IHP 2977, IFP 53-53, ISIP 76, FFP 53-53, FSIP 113, FHP 2977.</p>				<div>Morrison</div> <div>Entrada</div> <div>Navajo</div> <div>Chinle</div> <div>Shinarump</div> <div>Cutler</div> <div>Honaker Trail</div> <div>Paradox</div> <div>Up. Ismay</div> <div>Hovenweep</div> <div>Lwr. Ismay</div> <div>Gothic</div> <div>Up Desert Creek</div> <div>Lwr Desert Creek</div> <div>Chinney Rock</div> <div>Aksh</div> <div>TD</div> <div>Surface</div> <div>795</div> <div>983</div> <div>1928</div> <div>2646</div> <div>2734</div> <div>4629</div> <div>5649</div> <div>5792</div> <div>5938</div> <div>5944</div> <div>6004</div> <div>6041</div> <div>6098</div> <div>6118</div> <div>6144</div> <div>6176</div>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INDIVIDUAL WELL RECORD



Sec. 11
38 S.
23 E.
SLB& Mer.

Date December 28, 1987

Ref. No.

FEDERAL

Lease No. 55626 State Utah
County San Juan
Lessee Texaco Production Inc. 50% et al Field Wildcat
Operator Yates Petroleum Corporation Unit/CA
Well Name & No. Wash Federal 3 (Formerly 2-1) District Moab
A.P.I. Well No. 43-037-31356 Subdivision SENW
Location 1400' FNL and 2250' FWL Sec 11 T38S R23E
Date Drilling Approved October 22, 1987 Well Elevation 5333 GR Feet
Date Drilling Commenced December 8, 1987 Total Depth 6173 Feet
Date Drilling Ceased December 18, 1987 Initial Production Dry
Oral to Abandon Date Completed For Production December 19, 1987 Gravity A.P.I.

Abandonment Approved (Final) February 2, 1989 Initial Reservoir Pressure

FAN Approved Aug 4, 1992

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE	LOWEST TESTED	NAME	DEPTHS	CONTENTS
Morrison	Akah			
SURFACE MANAGEMENT AGENCY	BLM			
MINERAL OWNERSHIP	BLM			
LEASE EXPIRATION	11/30/82			

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1987												SPUD
1989		SRA Approved 2/2/89										Oral to Ab SRA rec'd

For Government Use Only

RECEIVED
1989 FEB - 8 AM 9:00
DEPT OF INTERIOR
BUREAU OF LAND MGMT

First Production Memorandum 12/30/86 Lease Extension Memorandum 1/5/87 Confirmation

Remarks

RECEIVED

NOV 1 1981

Casing & Cementing Program

Size Of Hole	Size Of Casing	Weight Per Foot	Grade	Setting Depth	Quantity Of Cement
17-1/2"	13-3/8"	54.5#		85'	w/ 150 sx
12-1/4"	8-5/8"	24#		2076'	w/1200 sx

Formation Tops	Depth Interval
Morrison	Surface
Entrada	795'
Navajo	983'
Chinle	1928'
Shinarump	2646'
Cutler	2734'
Honaker Trail	4629'
Paradox	5649'
Upper Ismay	5792'
Hovenweep	5938'
Lower Ismay	5944'
Gothic	6004'
Upper Desert Creek	6041'
Lower Desert Creek	6098'
Chinmey Rock	6118'
Akah	6144'

No. Acres In Lease	No. Acres Assigned To Well
1120.00	80

Correspondence/ Reports

Logs rec'd